

Lake District National Park

Forecast valid from 06:00 on Saturday 19 Dec 2020 until 23:59 on Sunday 20 Dec 2020

Forecast Issued on Saturday 19 Dec 2020 at 02:10

Confidence: High confidence in general outline of the forecast for the beginning of the period some uncertainty by the middle of next week in the synoptic pattern.

Headline for Saturday 19 Dec 2020: A showery day with Southwesterly gales on the fells.

Mountain weather hazards on Saturday 19 Dec 2020

Blizzards

No Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Drizzle	Heavy rain showers	Sunny intervals	Hail showers	Heavy Rain	Partly cloudy (night)
Precipitation probability					
50%	40%	40%	40%	30%	30%

Forecast for Saturday 19 Dec 2020

Weather: Bands of blustery showers will push across the Lake District during Saturday, some showers will group together to give longer periods of rain. Some of the showers will be heavy with the risk of thunder and lightning at times. Showers will become more wintry in the afternoon as freezing level lowers to around 1000m. There will be a few brighter or sunny intervals out with showers.

Chance of cloud free mountain/hill tops above 800m: 50%, scattered cloud will shroud the fell tops at times especially during heavier showers but this cloud will move on except on some of the more southerly fell tops where cloud may linger for much of the day around 600m

Visibility: Visibility will be good out with showers however visibility will dip to moderate or poor at times in showers particularly in the afternoon or any sleet or snow showers.

Forecast for Saturday 19 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	38/46 S	37/47 S	41/53 S	41/54 S	42/55 S	38/50 SW	35/47 SW
600	30/40 S	28/40 S	33/47 S	34/48 S	35/50 S	32/46 SW	30/43 SW
300	10/30 S	10/28 S	14/39 S	15/38 S	15/39 S	14/35 S	14/33 SW
Valley	9/26 S	11/27 S	15/35 S	16/35 S	16/35 SW	14/31 S	14/29 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-4	2/-5	2/-6	2/-7	1/-8	1/-7	1/-7
600	5/-1	4/-2	4/-3	4/-3	3/-4	3/-4	3/-4
300	7/4	6/3	6/2	6/2	6/1	6/2	6/2
Valley	9/7	9/6	8/5	8/5	8/4	8/5	8/5
Freezing Level*	1300m	1300m	1200m	1100m	1100m	1100m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Southerly gales at height will strengthen further in the afternoon and evening, gusts will be strongest around the heavier showers. Note the freezing level lowering during the day turning showers wintery on the fell tops later.

Forecast for Sunday 20 Dec 2020

Weather: Another showery outlook on Sunday although showers are likely to be mainly light and move through quite quickly with visibility only dipping a little as showers affect the fells, showers are likely to be wintery on the fell tops with freezing level around 900m. Some long sunny or bright spells throughout the day and some areas will see very few showers.

Maximum wind: Southwesterly 20-25mph gusts 35-40 mph.

Chance of cloud free mountain/hill tops above 800m: 60%, there will be periods of time when cloud falls below the tops however this should be short lived with good opportunities for views across the Lake District.

Visibility: Mainly good but becoming moderate in showers and poor in any sleet or snow showers.

Temperature: **Valleys:** Plus 7 Celsius
At 800m: Plus 1 Celsius.
Freezing level: 900m

Ground Conditions Supplement

Date: Friday 18 December. Location: Raise summit at 11:20 Torrential rain and southerly winds gusting 45-50mph combined with reduced visibility gave very challenging conditions in the fells today.

Rivers are full making them difficult to cross and the ground is saturated making some of the paths particularly slippery. Despite being relatively mild, the very wet conditions and strong winds make it feel very cool. The fells are basically free of snow and ice apart from very small isolated patches on some steep north and east-facing aspects above 850m (generally around corrie rims and the tops of gullies). The freezing level is forecast to lower to around 1000m tomorrow, therefore anyone venturing out should be prepared for wintry weather on the tops. Full winter clothing including waterproofs, warm layers as well as hat & gloves, and equipment including mountain boots, headtorch, map and compass and the ability to use them in poor visibility are all essential for anyone venturing out onto the fells.

Temperature: plus 6.6 C, Maximum wind speed 39.9 mph, Wind chill: Plus 0.2 C, Average wind speed: 26.7 mph

Issued at: 02:10 on Sat 19 Dec 2020